

ADDITIONAL INFORMATION:

For specific test reports, please refer to the System Tracking Program at <https://stp.fhu.disa.mil/> or the Joint Interoperability Tool at <http://jit.fhu.disa.mil>.

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VIDEO TELECONFERENCING (VTC) TEST FACILITY



Joint Interoperability Test Command

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*Increasing Combat Effectiveness
Through Interoperability*

Joint Interoperability Test Command

The Joint Interoperability Test Command (JITC) Video Teleconferencing Test Facility

The JITC Video Teleconferencing (VTC) Test Facility is organized to provide interoperability testing for both strategic and tactical users, and their interface with the Defense Information Systems Network Video Services (DVS). The goal is to provide a seamless, fully integrated approach to VTC interoperability testing for both the tactical and strategic arenas.

Through execution of specific tailored test procedures we exercise the required features and functionality of VTC systems, evaluate the user interface to the systems, assess the usability of the video services in the operational environment, and conduct interoperability certifications of the equipment and interfaces in both the tactical and strategic environments. We evaluate a VTC system's compliance with Recommendations H.320 for dial-up and dedicated networks, H.323 for Packet based networks, and T.120 data collaboration, and determine its interoperability with tactical and commercial networks.

As the sole interoperability certification authority for the Department of Defense (DoD), JITC tests all DoD information technology and national security systems for interoperability. Since it has the capability to replicate most strategic and tactical joint architectures, JITC provides a single source for evaluating VTC systems for military programs and commercial vendors. We provide a matrix of equipment and networks to conduct VTC testing, evaluation, and assessments.

The DVS Operational Test & Evaluation lab is also chartered by the DVS Program Office to accredit each new DVS sites' equipment configurations and access to DVS.



Network, Crypto, and Analyzer Interface Racks

Technical Characteristics

The VTC Test Facility can initiate nonsecure and secure point-to-point and multipoint video teleconferences in both H.320 and H.323 Protocols. Conferences are transmitted over Integrated Services Digital Network (ISDN) dial-up networks, over Internet Protocol networks (i.e., NIPRNET or SIPRNET), over dedicated serial transmission links, or any combination of the above.

The JITC VTC Test Facility supports the Warfighter through Hotline calls through the Office of Warfighter Support and by offering training on VTC systems, operations, and networking. We also participate and offer support in many other joint exercises and interoperability tests to evaluate tactical and commercial networks and certify new VTC systems. We annually participate in the DoD Interoperability Communications Exercise, Joint User Interoperability Communications Exercise, Cobra Gold, Roving Sands, and COMBINED ENDEAVOR, a joint interoperability exercise held in Europe.



Polycom VSX 8000 with peripheral equipment

VTC Test Facility Major Components

Some of the major components of the VTC Test Facility are:

- Accord MGC-100 (H.320/H.323 Multipoint Gateway Controller)
- Tandberg 6000 (H.320/323) MPX
- Tandberg 2500 (H.320/323)
- PolyCom VSX 7000 & 8000
- Cisco PIX 515E Firewall
- PolyCom ViaVideo (H.323)
- RADVision L2W-323 (H.320/H.323) Gateway/Gatekeeper
- RADVision MCU-323 (H.323 MCU)
- Delta Information Systems VT320 & VT323 Protocol Analyzer / Terminal Emulator
- NET Promina 200 Multiplexer
- Initia Model 60 Access Switch
- KIV-7HS
- KG-194
- KIV-19/19A
- Adtran ISDN Inverse Multiplexers / Terminal Adapters
- Adtran Atlas 830 Integrated Access Switch
- Spirent SX Data Link Simulator
- Blackbox RS-422 to V.35 Interface Converter
- Blackbox V.35 Modem Eliminator Rack



Crypto and IP Network Interface